

First choice for smart roads

ROADLED

CATEGORY V LED LUMINAIRE

The RoadLED is a state-of-the-art road lighting luminaire that has been specifically designed and assessed in Australia for Australian/New Zealand major road lighting applications. The luminaire has been specifically engineered to comply with Australian Standards (Category V) allowing it to replace traditional high wattage High Pressure Sodium and Metal Halide luminaires that are used to illuminate major vehicular roads throughout ANZ.

The RoadLED is compliant to AS/NZS 60598.2.3 and SA/SNZ TS 1158.6 and is available in a range of wattages from 60W to 300W allowing it to be used in a multitude of new and existing road lighting installations.

PERFORMANCE SUMMARY

- High performance roadway luminaire
- Designed specifically to meet Australian/New Zealand road lighting standards, complying with both AS/NZS 60598.2.3 & AS/NZS TS 1158.6
- The optics and LED light source are optimised to provide maximum spacings for compliance with AS1158-1.1 Category V
- Optical chamber sealed to IP66 ingress protection
- IK06 for standard visor, IK07 for aeroscreen visor
- CRI>70
- Ambient temperature 40° C
- 20 year design life
- Available in Colour Temperature of 4000K standard, 3000K and 5000K optional
- Options:
 - Polyester powdercoat finish in various RAL and DULUX colours
 - NEMA PE base
 - Visor options - Aeroscreen and standard
 - Surge Protection Device
 - Push in terminal block and Fused terminal block available
 - Anti-Glare visors and Louvers



5° Tilt Adjustment Adapter for Spigots. Ensures that correct tilt can be achieved if the original pole outreach angle is incorrect. Factory fitted. Can in some instances be site fitted. See your Roadway & Infrastructure Sales Representative for advice.

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ROADLED LED (cont.)

SPECIFICATIONS

Electrical Characteristics:

- Input Voltage: 220V-240V – 50Hz/60Hz
- Power Factor: 0.9
- System watts: 60W-300W

Optical Characteristics:

- CCT: Available in 4000K, 3000K and 5000K optional
- CRI: > 70
- Lumen Maintenance: L90 @ 88000 hours
- Optical chamber independently sealed to IP66
- Standard and Aeroscreen visors available
- One for one replacement for traditional light sources 150W to 400W HPS/MH & MV (depending on wattage)

Mechanical Characteristics:

- Pressure die cast marine grade aluminium body
- Weight: 11.2-13.6kg
- Stainless steel fasteners, latches and clips
- Hinged access cover with quick access clips
- Grey polyester powdercoat finish as standard (other colours available on request)
- 43mm to 48mm spigot entry
- IK06 for standard visor, IK07 for aeroscreen visor
- Easy to replace visor

Control Characteristics:

- IP65 Control gear chamber
- DALI or 1-10V Control.
- NEMA – 3, 5, 7pin option available*

Environmental & Standards:

- Ambient Operation Temps: to 40° C
- Ingress protection for weather proofing
- EMC compliant: AS/NZS CISPR15, EN/IEC 61000-3-2, EN/IEC 61000-3-3 Immunity EN61547. Complies to Technical Spec SA/SNZ TS 1158.6 –Luminaires Performance
- Complies to Technical Spec SA/SNZ TS 1158.6 –Luminaires Performance

Options

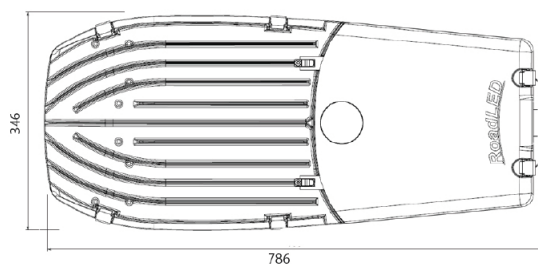
- Class II
- CCT: 3000K and 5000K available
- Polyester Powder-coated finish in various Dulux and RAL Colours
- Visor options – Standard, Aeroscreen
- Push in terminal block.
- Fused terminal block
- Class II version
- Surge protection device
- Anti-Glare Visors
- Louvers

SMART CITY SOLUTIONS*

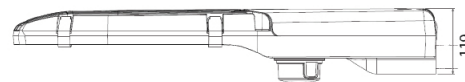
- LOWPANG, ZIGBEE, LORAWAN, NBIOT technologies
- Devices & sensors for smart city applications
- Customised platform integration

*Please consult your Gerard Lighting representative for the full range of viable control options for your project.

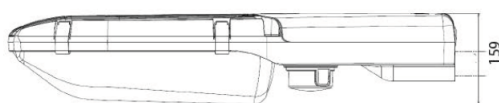
LINE DRAWINGS



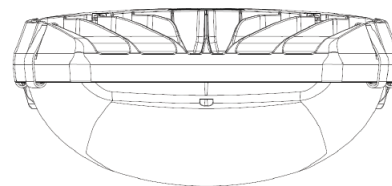
Top View



Side View
[with Aeroscreen (CO) Visor]



Side View
-[with Standard (SCO) Visor]



Front View
[with Standard (SCO) Visor]

N.B. All dimensions in mm

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PHOTOMETRICS

Please contact your Roadway & Infrastructure Lighting representative for photometric information specific to your project.

ORDER CODES

Product Code	Name	Dimensions (mm) W x H x D	Mass (kg)	Beam Distribution	System Power (W)	Colour Temperature	Electrical Rating	Installation Type	Dimming Technology	PE Cell Base Type
PL9905L60Z	RDLED 60W 4K 1N1B PEB7 9006	346 X 159 X 786	11.2	TYPE 2/3M	56	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9915L60Z	RDLED 60W 4K 1N1B PEB7 CO 9006	346 X 159 X 786	11.2	TYPE 2/3M	60	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9905L70Z	RDLED 70W 4K 2N1B PEB7 9006	346 X 159 X 786	11.2	TYPE 2/3M	70	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9905L80Z	RDLED 80W 4K 2N1B PEB7 9006	346 X 159 X 786	11.2	TYPE 2/3M	80	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9915L80Z	RDLED 80W 4K 2N1B PEB7 CO 9006	346 X 159 X 786	11.2	TYPE 2/3M	80	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9905L100Z	RDLED 100W 4K 2N1B PEB7 9006	346 X 159 X 786	11.2	TYPE 2/3M	100	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9915L100Z	RDLED 100W 4K 2N1B PEB7 CO 9006	346 X 159 X 786	11.2	TYPE 2/3M	100	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9905L120Z	RDLED 120W 4K 2N1B PEB7 9006	346 X 159 X 786	11.2	TYPE 2/3M	120	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9915L120Z	RDLED 120W 4K 2N1B PEB7 CO 9006	346 X 159 X 786	11.2	TYPE 2/3M	120	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9905L145Z	RDLED 145W 4K 3N1B PEB7 9006	346 X 159 X 786	11.8	TYPE 2/3M	145	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9915L145Z	RDLED 145W 4K 3N1B PEB7 CO 9006	346 X 159 X 786	11.8	TYPE 2/3M	145	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9905L155Z	RDLED 155W 4K 3N1B PEB7 9006	346 X 159 X 786	11.8	TYPE 2/3M	155	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9905L175Z	RDLED 175W 4K 3N1B PEB7 9006	346 X 159 X 786	11.8	TYPE 2/3M	175	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9915L175Z	RDLED 175W 4K 3N1B PEB7 CO 9006	346 X 159 X 786	11.8	TYPE 2/3M	175	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9905L200Z	RDLED 200W 4K 4N1B PEB7 9006	346 X 159 X 786	13.6	TYPE 2/3M	200	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9915L200Z	RDLED 200W 4K 4N1B PEB7 CO 9006	346 X 159 X 786	13.6	TYPE 2/3M	200	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9905L250Z	RDLED 250W 4K 4N1B PEB7 9006	346 X 159 X 786	13.6	TYPE 2/3M	250	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9915L250Z	RDLED 250W 4K 4N1B PEB7 CO 9006	346 X 159 X 786	13.6	TYPE 2/3M	250	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9905L275Z	RDLED 275W 4K 4N1B PEB7 9006	346 X 159 X 786	13.6	TYPE 2/3M	275	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9905L300Z	RDLED 300W 4K 4N1B PEB7 9006	346 X 159 X 786	13.6	TYPE 2/3M	300	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin
PL9915L300Z	RDLED 300W 4K 4N1B PEB7 CO 9006	346 X 159 X 786	13.6	TYPE 2/3M	300	4000K	Class I	Spigot Entry	1-10Vdc	NEMA 7 pin

ACCESSORIES

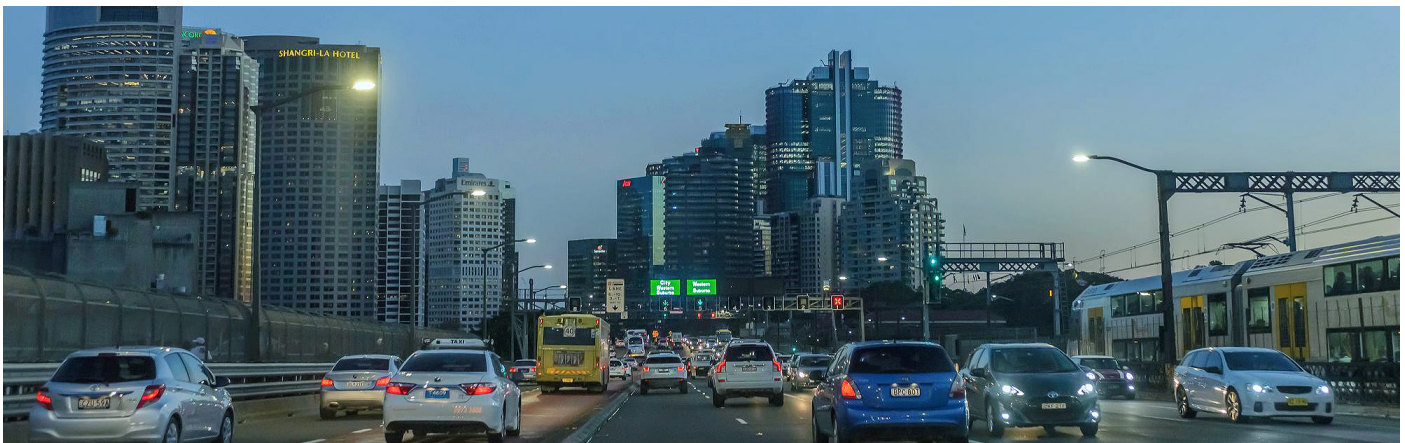
Spigot Tilt Adjuster

08-14-007-071 5° Tilt Spigot Adjuster**

The above codes are for standard offering only. For additional options or product configurations, please consult your Gerard Lighting consultant.

*PE Cells and/or shorting caps are sold separately.

** 5° Tilt Spigot Adjuster is factory fitted in most instances. See your Roadway & Infrastructure Sales Rep.



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